



Single Stream Recycling

Otherwise known as No-Sort
Recycling



Current Harpswell Model

- Residents Deliver and Sort recyclable materials
- Employees refine the sorting, eliminate contamination, package and bale materials
- Employees provide guidance as needed
- Recycle Center sells materials with marketing assistance from Maine Resource Recovery Association (MRRA)
- Trucking is billed at \$5 per ton through MRRA
- Town receives revenues based upon market values



Single Stream Model

- Residents deliver materials and deposit in No-Sort bins or compactor
- Employees will provide guidance as needed and process other non-SS materials
- Material is hauled to processing facilities for sorting
- Town is invoiced for trucking @ market rate
 - (Current year contract for MSW is \$220 per trip. We can expect similar pricing for recyclables)
- Revenues are dependent upon market values, with No-Sort facility subtracting overhead costs before revenue distribution



Single Stream Benefits

- Residents are no longer required to sort materials
- Residents can recycle plastics # 3-7
- Municipal Solid Waste (trash) reduction varies, but Maine State Planning Office states that average is 7% among towns with little or no recycling program. Recycling increased 26% among those same communities



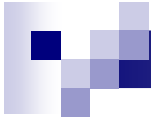
Revenue Loss

- Loss in revenue would be substantial, ranging from \$58,988 under the revenue sharing plan (with current pricing) to \$73,508 under the revenue neutral plan (provided market values do not drop below an average of \$80)
- This loss in revenue can be partially recuperated via reductions in the operating budget and reduced demand on the capital plan
 - Operational changes and equipment requirements are not yet known



Capital Impact

- Must purchase additional Compactor containers \$20,000 (with additional replacement purchases every 3-5 years)
 - Dependent upon contract
 - If EcoMaine, we must buy containers
 - If Casella, loaner containers are available via contractual agreement
 - 2 additional containers due to increased volume and inability to wait for delivery
- No need to purchase/repair balers
- Wear and tear of compactor system will increase as both systems will be used simultaneously
- Purchase of high amperage generator for power outages



Operational Impact

- Waste Oil
- Universal Wastes
 - Mercury Devices
 - Florescent Light Bulbs
 - TV/Monitor Collection
 - Rechargeable Batteries
- Increased staff intervention will be required to ensure proper delivery of materials
 - (ecomaine contracts include a \$40 per ton fine for contaminated recycling between 5-10%, \$88 per ton if contamination above 10%)



Suggestion to Decrease Staff-Monetary Impact

■ Employee lost

☐ (Per Union Contract junior employee is first to go)

<input type="checkbox"/> Medical Benefits	\$8507
<input type="checkbox"/> Payroll Taxes	\$1928
<input type="checkbox"/> Pension Plan	\$3838
<input type="checkbox"/> Disability Insurance	\$103
<input type="checkbox"/> Clothing Budget	\$800
<input type="checkbox"/> Pay	\$25,200

<input type="checkbox"/> Total Compensation Package	\$40,375
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Operational Considerations of Reduced Staff

- Decrease in overhead costs by approximately \$40,375
- Decreased ability to process other materials
 - Mercury Devices
 - Light Bulbs
 - Universal Waste tracking requirements
 - Waste Oil
 - Timely Snow Removal
 - Single stream will increase work load at Transfer Station as Wood and Metal Slots in building will be closed
- Loss of qualified operator for Skid Steer, Fork lift, Backhoe
 - This equipment will still be required for moving materials, snow removal, etc
- Decrease ability to monitor materials entering Recycling compactor.
 - (ecomaine contracts include a \$40 per ton fine for contaminated recycling between 5-10%, \$88 per ton if over 10% contamination)
- Decrease in ability to compensate for sick employees, vacation time, etc. (Recent medical issues involving one employee have left the facility marginally manned. Having three employees coupled with the requirement to authorize holidays and use/lose vacation time has left the facility with minimal coverage. One occasion had the employee out sick, another on a single vacation day and a third working with a 100+ fever to ensure the facility remained open. This could occur more frequently if manpower is reduced)



Operational Considerations

- Modify building façade to eliminate slots
 - Close wood and metal as well, as those items will be mandatory delivery to transfer station
- Monitoring disposal locations
 - Install booth at compactor for attendant?
 - Signage and/or paint to differentiate between trash and recyclables
 - Electricity availability
 - Currently under power outage conditions we accept recyclable materials but not trash
 - Under single stream, acceptance of recyclables will be reduced to zero until power is restored



Single Stream Options

- Ecomaine

- Revenue Neutral

- Town buys trucking (\$220 per trip), revenues are retained by Ecomaine

- Revenue Sharing

- Town Buys Trucking (\$220 per trip), Revenues are divided among participants (currently pays \$30 per ton)

- Casella Recycling (Pine Tree Waste)

- Casella Provides trucking and Recycling (revenue neutral)

- Casella provides trucking (\$175 per trip) and keeps revenues

- Casella Provides Recycling Only

- Casella retains revenue, charges town \$5 per ton, and trucking is contracted by town (\$220 per trip)



Budgetary Impact

(If applied to current 2011 Budget)

	Single Stream Current Operation (Marketing through MRRA, Trucking Costs \$5 per ton)	Single Stream Ecomaine Revenue Share Option (currently pays \$30 per ton.)Trucking at market rate of \$220/trip)	Single Stream Ecomaine Revenue Neutral (No Revenue, Trucking at market rate of \$220/trip)	Single Stream Casella with trucking (\$170/trip, Casella keeps Revenue)	Single Stream Casella with Contracted trucking (Casella charges \$5/ton, trucking at market rate \$220/trip)
Waste Disposal (includes trucking)	\$88,748	\$95,346	\$95,346	\$92,781	\$98,206
All other Budget Items	\$274,928	\$274,928	\$274,928	\$274,928	\$274,928
Employee Salary/Benefit/uniform reduction		\$40,129	\$40,129	\$40,129	\$40,129
Revenue from material Sales (current Market Rate) Offset tax requirement	\$61,644	\$2,694	\$0	\$0	\$0
Total Taxpayer Requirement	\$302,032	\$327,451	\$330,145	\$327,580	\$333,005



Recommendation

- Don't Do It. Currently it is too expensive. Paying a service provider to perform the functions that our residents currently perform is not a judicious use of taxpayer funding
- While the average increase in recycling is estimated at 26%, these statistics are from communities that had little-to-no recycling program. Maine State Planning Office suggests our increase would be less noticeable
- Budgetary consistency will be compromised under market share programs